

Title (en)
DISTANCE MEASUREMENT CAMERA

Title (de)
ENTFERNUNGSMESSKAMERA

Title (fr)
CAMÉRA DE MESURE DE DISTANCE

Publication
EP 3770550 A4 20220105 (EN)

Application
EP 19772591 A 20190311

Priority
• JP 2018051643 A 20180319
• JP 2019009813 W 20190311

Abstract (en)
[origin: EP3770550A1] A distance measuring camera 1 contains a first optical system OS1 for collecting light from a subject 100 to form a first subject image, a second optical system OS2 for collecting the light from the subject 100 to form a second subject image, an imaging part S for imaging the first subject image formed by the first optical system OS1 and the second subject image formed by the second optical system OS2, and a distance calculating part 4 for calculating a distance to the subject 100 based on the first subject image and the second subject image imaged by the imaging part S. The distance calculating part 4 calculates the distance to the subject 100 based on an image magnification ratio between a magnification of the first subject image and a magnification of the second subject image.

IPC 8 full level
G01C 3/08 (2006.01); **G01C 3/14** (2006.01); **G01C 3/32** (2006.01); **G02B 7/28** (2021.01); **G03B 13/36** (2021.01); **G03B 19/07** (2021.01); **G03B 35/08** (2021.01); **G06T 7/593** (2017.01); **H04N 5/225** (2006.01); **H04N 5/232** (2006.01)

CPC (source: EP US)
G01C 3/08 (2013.01 - EP); **G01C 3/14** (2013.01 - EP); **G01C 3/32** (2013.01 - EP); **G02B 7/09** (2013.01 - US); **G03B 3/00** (2013.01 - EP); **G03B 3/10** (2013.01 - EP); **G03B 13/20** (2013.01 - EP); **G06T 7/571** (2016.12 - EP US); **H04N 23/67** (2023.01 - EP); **H04N 23/90** (2023.01 - EP); **H04N 23/959** (2023.01 - US); **G06T 2207/10148** (2013.01 - EP US)

Citation (search report)
• [X1] JP H03200007 A 19910902 - NIPPON TELEGRAPH & TELEPHONE
• [A] US 2008218613 A1 20080911 - JANSON WILBERT F [US], et al
• [A] RU 2340872 C1 20081210 - INST MONITORINGA KLIMATICHESKI [RU]
• [A] JP H02171737 A 19900703 - MINOLTA CAMERA KK
• [E] EP 3665435 A1 20200617 - MITSUMI ELECTRIC CO LTD [JP]
• [E] EP 3730898 A1 20201028 - MITSUMI ELECTRIC CO LTD [JP]
• [E] EP 3819588 A1 20210512 - MITSUMI ELECTRIC CO LTD [JP]
• See references of WO 2019181622A1

Designated contracting state (EPC)
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